

# LTspice Model

## Zener Diode

### SHINDENGEN

### ST70-27MF



### Model Information

**Model** A macro model based on general SPICE diode model  
**Call Name** MDC\_ST70-27MF\_LT  
**Pin Assign** 1:A 2:C  
**File List** Model Library MDC\_ST70-27MF\_LT01.lib  
 Model Report MDC\_ST70-27MF\_LT.pdf (this file)

**Verified Simulator Version** LTspice version XVII  
**Note**

### References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version N/A
- Product name ST70-27MF
- Company name Shindengen Electric Manufacturing Co., Ltd.
- Characteristics CjVr,BvTemp,IrVr(Breakdown)

### Simulation Range

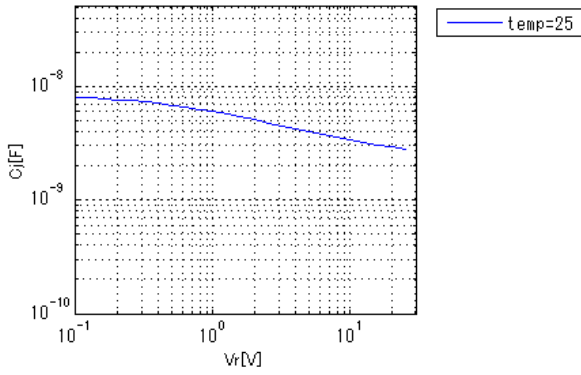
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	54	V
Temperature	-40	to	150	deg C

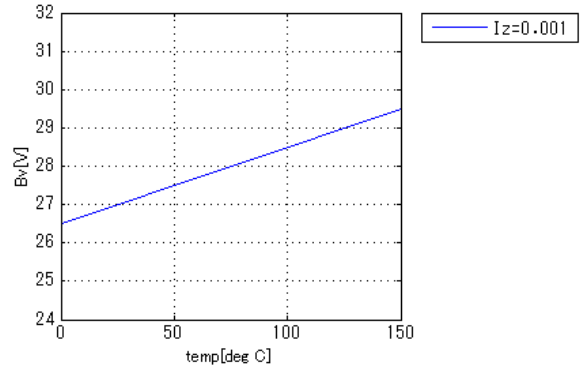
Simulation results are following.  
 Explanatory notes — : simulated

**CjVr**

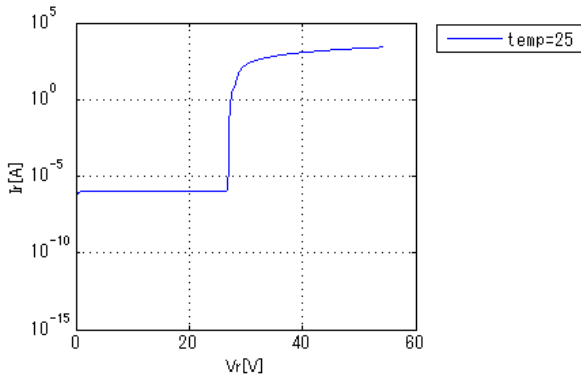
Freq. = 1MHz



**BvTemp**



**IrVr(Breakdown)**



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